

# SIPHONAPTERA COLLECTED BY REAR-ADMIRAL H. LYNES IN DARFUR IN 1920 TO 1922.

By DR. KARL JORDAN.

THE collection being from a new locality as regards Siphonaptera, it is a most welcome addition to our series of specimens, enabling us to clear up a doubtful point in the systematics of the difficult genus *Xenopsylla*, and establishing a new record for a tropical African species of another genus. For a most interesting account of the expedition cf. *Ibis*, 1924, p. 399 ff.

## 1. *Synosternus pallidus* Tasch. 1880.

For generic name cf. p. 103.

A small series of both sexes from Um Kedada, off *Erinaceus albiventris* March 1920.

## 2. *Xenopsylla nubicus* Roths. 1903.

A series from: El Fasher, off *Arvicanthis*, Feb. 1921; Kurra, off *Rattus macrolepis*, Feb. 1921; Jebel Marra, 7,900 ft., off *Dipodillus lowei*, March 1921; Kallokitting, Jebel Marra, 4,000 ft., off *Felis ocreata*, April 1921; Kulme, Wadi Aribo, off *Rattus ugandae*, Sept. 1921; Um Kedada, off *Erinaceus* spec., March 1922; Kheira, off *Taterillus butleri*, April 1922.

The individual variation exhibited by this series proves that the differences on which *X. chersinus* Roths. 1906 is based do not hold good. We therefore now regard this name as a synonym of *X. nubicus*.

## 3. *Xenopsylla cheopis* Roths. 1903.

A series from: Sixty miles W.S.W. of El Fasher, off *Rattus macrolepis*, Feb. 1921; Niurnya, Jebel Marra, same host, March 1921; Jebel Marra, same host, Feb. and Sept. 1921; Kulme, Wadi Aribo, off *Graphiurus orobinus* and *Sorex*, June and Sept. 1921; foothills of Jebel Marra, off *Rattus macrolepis*, March and April 1921; Duggu, off same host, May 1921.

## 4. *Ctenocephalus felis strongylus* Jord. 1925.

Cf. p. 98. All the specimens collected belong to this African form of *Ct. felis*, the frons being as strongly rounded as in *Ct. canis* Curtis, 1826. A series from: N.E. of Jebel Marra, off *Dipodillus lowei*, Feb. 1921; Jebel Marra, off *Vulpes pallida* and domestic dog, Sept. and Nov. 1921; foothills of Jebel Marra, off *Felis ocreata*, April 1921; Kulme, Wadi Aribo, Aug. and Sept. 1921, off *Vulpes pallida*.

## 5. *Ceratophyllus henleyi henleyi* Roths. 1904.

1 ♂, 11 ♀ from Jebel Marra, off *Dipodillus lowei*, March 1921.

## 6. *Dinopsyllus lypusus* J. & R. 1913.

Two pairs from S.E. side of Jebel Marra, off *Rattus macrolepis*, Nov. 1921. This is the first record of a *Dinopsyllus* from a country farther north than Uganda.

